RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/589,696
Source: IFW/P
Date Processed by STIC: 8/29/06

ENTERED

IFWP

RAW SEQUENCE LISTING DATE: 08/29/2006
PATENT APPLICATION: **US/10/589,696** TIME: 10:06:01

Input Set : **A:\SQL041025.txt**
Output Set: **N:\CRF4\08292006\J589696.raw**

<110> APPLICANT: Golz, Stephan
Brueggemeier, Ulf
Geerts, Andreas
Summer, Holger
<120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with Kallikrein 5 (KLK5)
<130> FILE REFERENCE: 004974.01214
C--> **<140> CURRENT APPLICATION NUMBER: US/10/589,696**
C--> **<141> CURRENT FILING DATE: 2006-08-16**
<150> PRIOR APPLICATION NUMBER: EP04003587.5
<151> PRIOR FILING DATE: 2004-02-18
<150> PRIOR APPLICATION NUMBER: PCT/EP2005/001130
<151> PRIOR FILING DATE: 2004-02-18
<160> NUMBER OF SEQ ID NOS: 5
<170> SOFTWARE: PatentIn version 3.2
<210> SEQ ID NO: 1
<211> LENGTH: 1260
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

cttgtggttc ctctctactt ggggaaatca ggtgcagcgg ccatggctac agcaagaccc 60
ccctggatgt gggtgctctg tgctctgatc acagccttgc ttctgggggt cacagagcat 120
gttctcgcca acaatgatgt ttcctgtgac cacccctcta acaccgtgcc ctctgggagc 180
aaccaggacc tgggagctgg ggccggggaa gacgcccggt cggatgacag cagcagccgc 240
atcatcaatg gatccgactg cgatatgcac acccagccgt ggcaggccgc gctgttgcta 300
aggcccaacc agctctactg cggggcggtg ttggtgcatc cacagtggct gctcacggcc 360
gcccactgca ggaagaaagt tttcagagtc cgtctcggcc actactccct gtcaccagtt 420
tatgaatctg ggcagcagat gttccagggg gtcaaatcca tcccccaccc tggctactcc 480
caccctggcc actctaacga cctcatgctc atcaaactga acagaagaat tcgtcccact 540
aaagatgtca gacccatcaa cgtctcctct cattgtccct ctgctgggac aaagtgcttg 600
gtgtctggct gggggacaac caagagcccc caagtgcact tccctaaggt cctccagtgc 660
ttgaatatca gcgtgctaag tcagaaaagg tgcgaggatg cttacccgag acagatagat 720
gacaccatgt tctgcgccgg tgacaaagca ggtagagact cctgccaggg tgattctggg 780
gggcctgtgg tctgcaatgg ctccctgcag ggactcgtgt cctggggaga ttacccttgt 840
gcccggccca acagaccggg tgtctacacg aacctctgca agttcaccaa gtggatccag 900
gaaaccatcc aggccaactc ctgagtcatc ccaggactca gcacaccggc atccccacct 960
gctgcaggga cagccctgac actcctttca gaccctcatt ccttcccaga gatgttgaga 1020
atgttcatct ctccagcccc tgaccccatg tctcctggac tcagggtctg cttcccccac 1080
attgggctga ccgtgtctct ctagttgaac cctgggaaca atttccaaaa ctgtccaggg 1140
cgggggttgc gtctcaatct ccctggggca ctttcatcct caagctcagg gcccatccct 1200
tctctgcagc tctgacccaa atttagtccc agaaataaac tgagaagtgg aaaaaaaaaa 1260

<210> SEQ ID NO: 2
<211> LENGTH: 293

RAW SEQUENCE LISTING DATE: 08/29/2006
PATENT APPLICATION: **US/10/589,696** TIME: 10:06:01

Input Set : **A:\SQL041025.txt**
Output Set: **N:\CRF4\08292006\J589696.raw**

```
53 <212> TYPE: PRT
54 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 2
57 Met Ala Thr Ala Arg Pro Pro Trp Met Trp Val Leu Cys Ala Leu Ile
58 1               5                  10                  15
59 Thr Ala Leu Leu Leu Gly Val Thr Glu His Val Leu Ala Asn Asn Asp
60             20                  25                  30
61 Val Ser Cys Asp His Pro Ser Asn Thr Val Pro Ser Gly Ser Asn Gln
62         35                  40                  45
63 Asp Leu Gly Ala Gly Ala Gly Glu Asp Ala Arg Ser Asp Asp Ser Ser
64     50                  55                  60
65 Ser Arg Ile Ile Asn Gly Ser Asp Cys Asp Met His Thr Gln Pro Trp
66 65                  70                  75                  80
67 Gln Ala Ala Leu Leu Leu Arg Pro Asn Gln Leu Tyr Cys Gly Ala Val
68                 85                  90                  95
69 Leu Val His Pro Gln Trp Leu Leu Thr Ala Ala His Cys Arg Lys Lys
70             100                 105                 110
71 Val Phe Arg Val Arg Leu Gly His Tyr Ser Leu Ser Pro Val Tyr Glu
72         115                 120                 125
73 Ser Gly Gln Gln Met Phe Gln Gly Val Lys Ser Ile Pro His Pro Gly
74     130                 135                 140
75 Tyr Ser His Pro Gly His Ser Asn Asp Leu Met Leu Ile Lys Leu Asn
76 145                 150                 155                 160
77 Arg Arg Ile Arg Pro Thr Lys Asp Val Arg Pro Ile Asn Val Ser Ser
78                 165                 170                 175
79 His Cys Pro Ser Ala Gly Thr Lys Cys Leu Val Ser Gly Trp Gly Thr
80             180                 185                 190
81 Thr Lys Ser Pro Gln Val His Phe Pro Lys Val Leu Gln Cys Leu Asn
82         195                 200                 205
83 Ile Ser Val Leu Ser Gln Lys Arg Cys Glu Asp Ala Tyr Pro Arg Gln
84     210                 215                 220
85 Ile Asp Asp Thr Met Phe Cys Ala Gly Asp Lys Ala Gly Arg Asp Ser
86 225                 230                 235                 240
87 Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly Ser Leu Gln
88                 245                 250                 255
89 Gly Leu Val Ser Trp Gly Asp Tyr Pro Cys Ala Arg Pro Asn Arg Pro
90             260                 265                 270
91 Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Lys Trp Ile Gln Glu Thr
92         275                 280                 285
93 Ile Gln Ala Asn Ser
94     290
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 18
98 <212> TYPE: DNA
99 <213> ORGANISM: artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: forward primer
104 <400> SEQUENCE: 3
105 ctgggggaca accaagag                                          18
```

RAW SEQUENCE LISTING DATE: 08/29/2006
PATENT APPLICATION: **US/10/589,696** TIME: 10:06:01

Input Set : **A:\SQL041025.txt**
Output Set: **N:\CRF4\08292006\J589696.raw**

<210> SEQ ID NO: 4
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: reverse primer
<400> SEQUENCE: 4
agcacgctga tattcaagca 20
<210> SEQ ID NO: 5
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: probe
<400> SEQUENCE: 5
ccccaagtgc acttccctaa ggtc 24

VERIFICATION SUMMARY DATE: 08/29/2006
PATENT APPLICATION: **US/10/589,696** TIME: 10:06:02

Input Set : **A:\SQL041025.txt**
Output Set: **N:\CRF4\08292006\J589696.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date